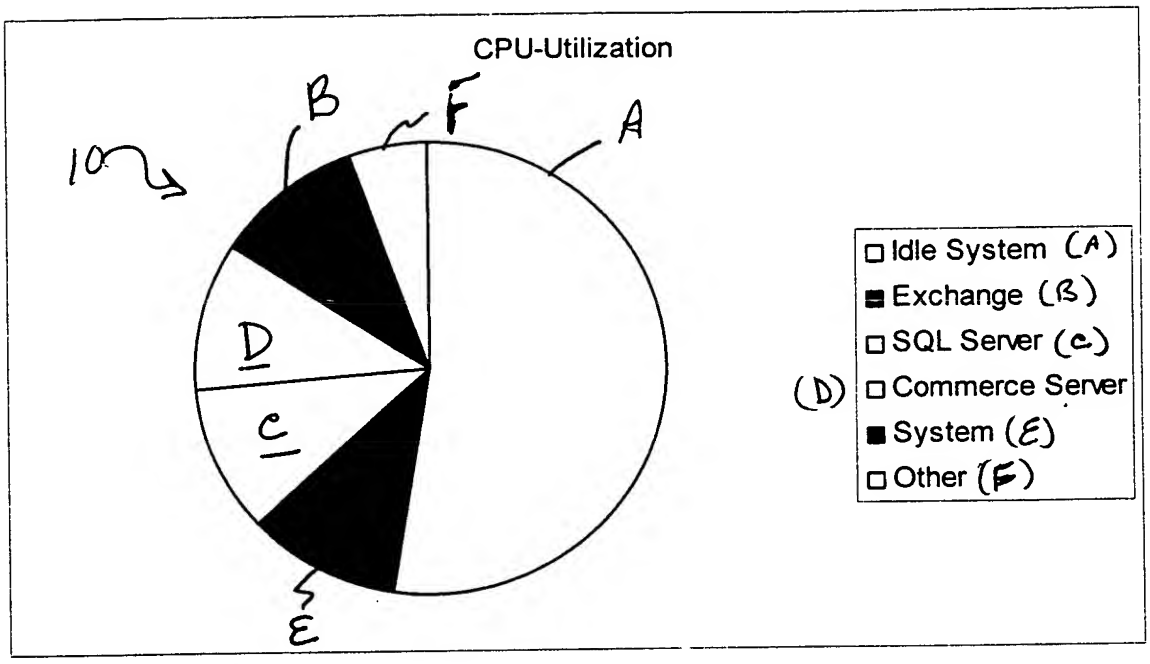
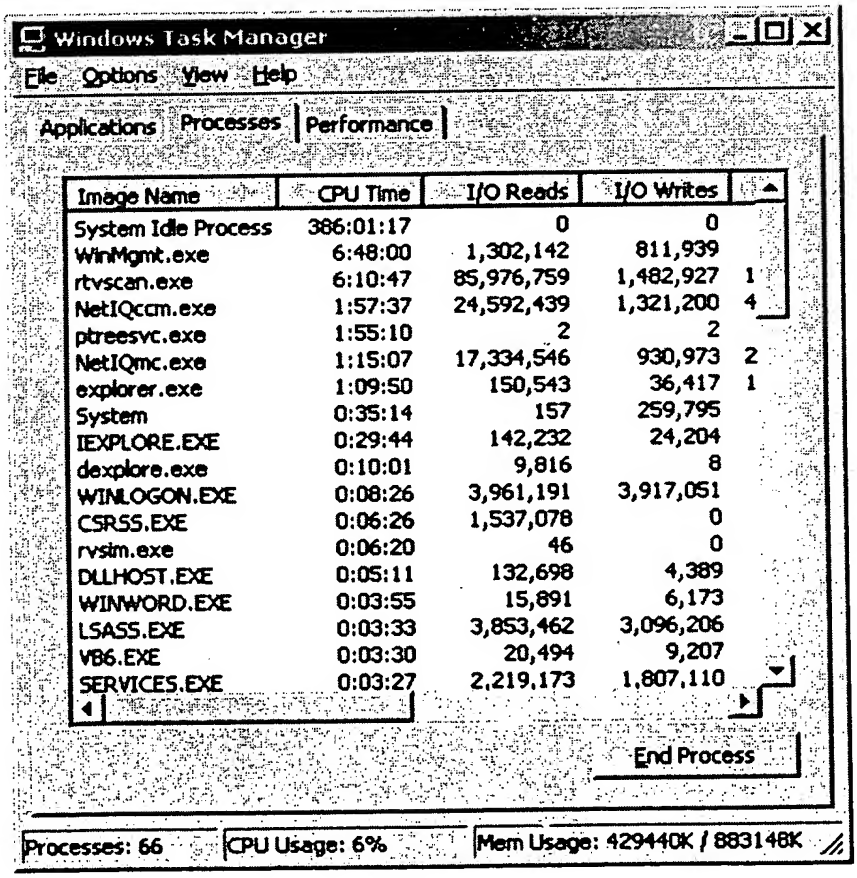

CPU-Utilization
10
B
F
A
D
C
E
Idle System (A)
Exchange (B)
SQL Server (C)
(D) Commerce Server
System (E)
Other (F)

Fig. 1


Windows Task Manager
File Options View Help
Applications Processes Performance
Image Name | CPU Time | I/O Reads | I/O Writes
System Idle Process 386:01:17 0 0
WinMgmt.exe 6:48:00 1,302,142 811,939
rtvscan.exe 6:10:47 85,976,759 1,482,927 1
NetIQccm.exe 1:57:37 24,592,439 1,321,200 4
ptreesvc.exe 1:55:10 2 2
NetIQmc.exe 1:15:07 17,334,546 930,973 2
explorer.exe 1:09:50 150,543 36,417 1
System 0:35:14 157 259,795
IEXPLORE.EXE 0:29:44 142,232 24,204
dexplore.exe 0:10:01 9,816 8
WINLOGON.EXE 0:08:26 3,961,191 3,917,051
CSRSS.EXE 0:06:26 1,537,078 0
rvsim.exe 0:06:20 46 0
DLLHOST.EXE 0:05:11 132,698 4,389
WINWORD.EXE 0:03:55 15,891 6,173
LSASS.EXE 0:03:33 3,853,462 3,096,206
VB6.EXE 0:03:30 20,494 9,207
SERVICES.EXE 0:03:27 2,219,173 1,807,110
End Process
Processes: 66
CPU Usage: 6%
Mem Usage: 429440K / 883148K

20

Fig. 2

IDLE SYSTEM

Name	CPU Time
CSRSS.EXE	625000
CSRSS.EXE	156250
CSRSS.EXE	0
dfssvc.exe	781250
DLLHOST.EXE	156250
DLLHOST.EXE	156250
dmfacp.exe	468750
dmfrcp.exe	156250
DMLService.exe	312500
dxserver.exe	1406250
EMSMTA.EXE	1250000
esconmgr.exe	312500
EXMGMT.EXE	468750
explorer.exe	3125000
explorer.exe	937500
explorer.exe	937500
iidbms.exe	0
iigcc.exe	468750
iigcn.exe	0
inetinfo.exe	75312500
listmanager.exe	156250
LLSSRV.EXE	156250
LOCATOR.EXE	781250
LogWatNT.exe	3437500
LSASS.EXE	9218750
MAD.EXE	32187500

Fig. 3A

COMMERCE SERVER – 200 USER WORKLOAD

Name	CPU Time
CSRSS.EXE	1509218750
CSRSS.EXE	0
CSRSS.EXE	0
dfssvc.exe	312500
DLLHOST.EXE	156250
DLLHOST.EXE	312500
DLLHOST.EXE	12374375000
dmfacp.exe	1093750
dmfrcp.exe	4375000
DMLService.exe	0
dxserver.exe	156250
esconmgr.exe	468750
explorer.exe	937500
explorer.exe	2656250
explorer.exe	2812500
iidbms.exe	4687500
iigcc.exe	156250
iigcn.exe	625000
inetinfo.exe	5936562500
listmanager.exe	781250
LLSSRV.EXE	781250
LOCATOR.EXE	937500
LogWatNT.exe	3125000
LSASS.EXE	18437500
MapServant.exe	625000
mdm.exe	0

Fig. 3B

Fig. 4A

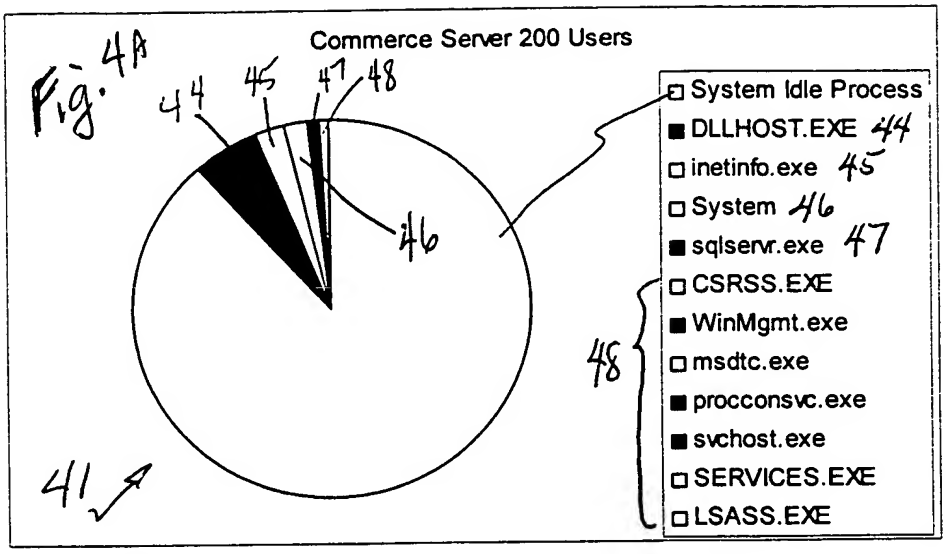


Fig. 4B

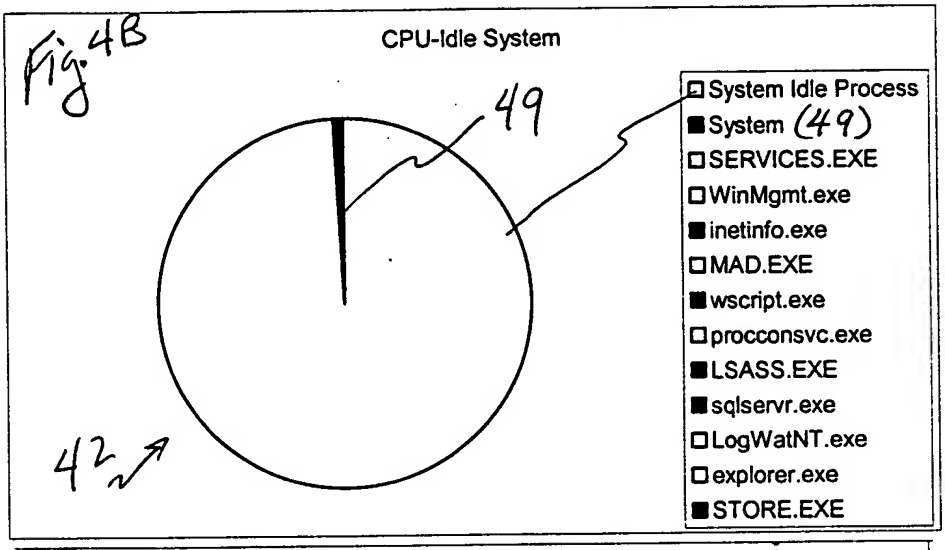
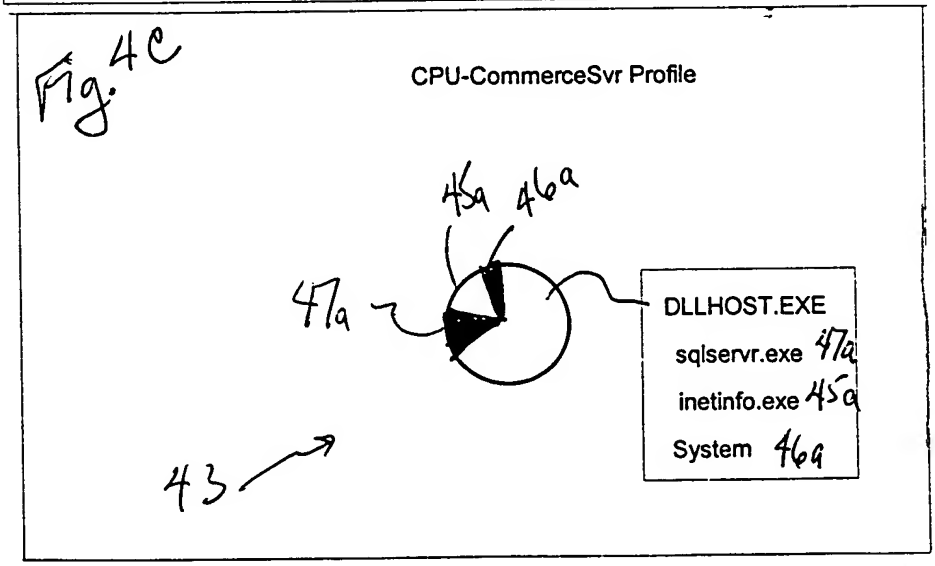


Fig. 4C



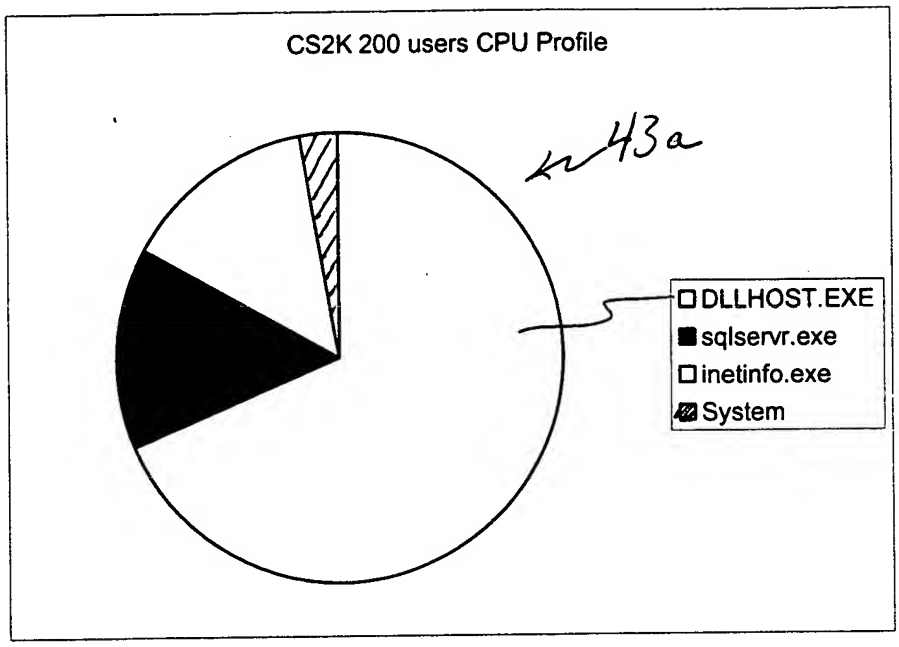

CS2K 200 users CPU Profile
43a
DLLHOST.EXE
sqlservr.exe
inetinfo.exe
System

Fig. 5

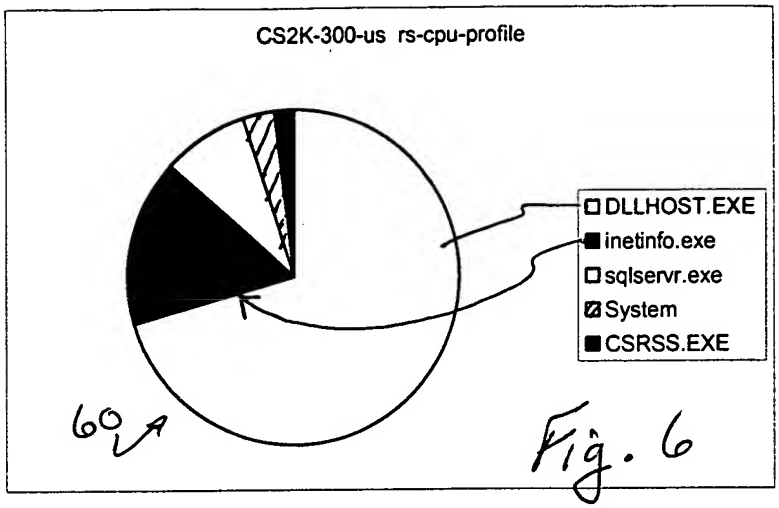


Fig. 6

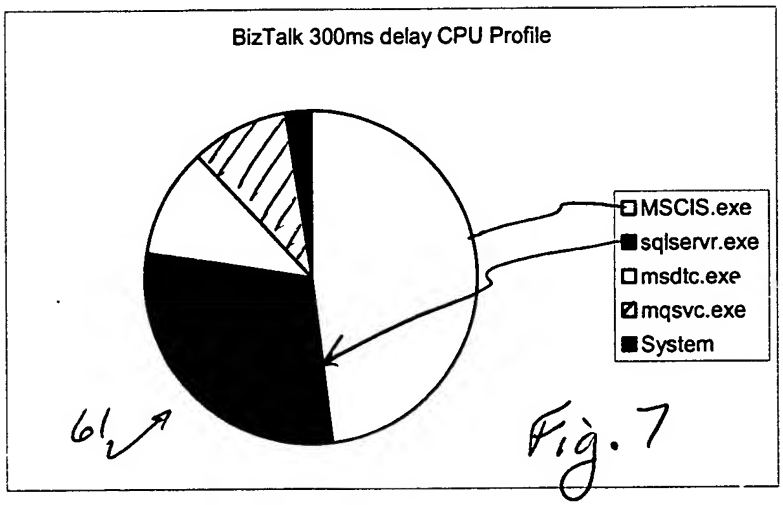


Fig. 7

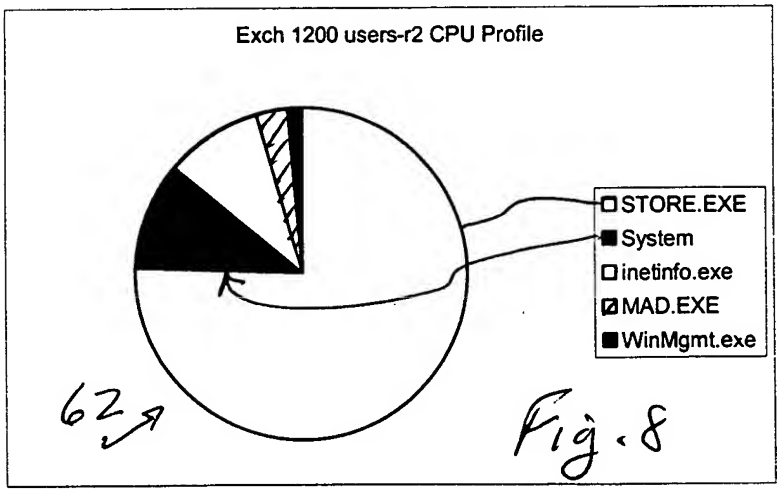


Fig. 8

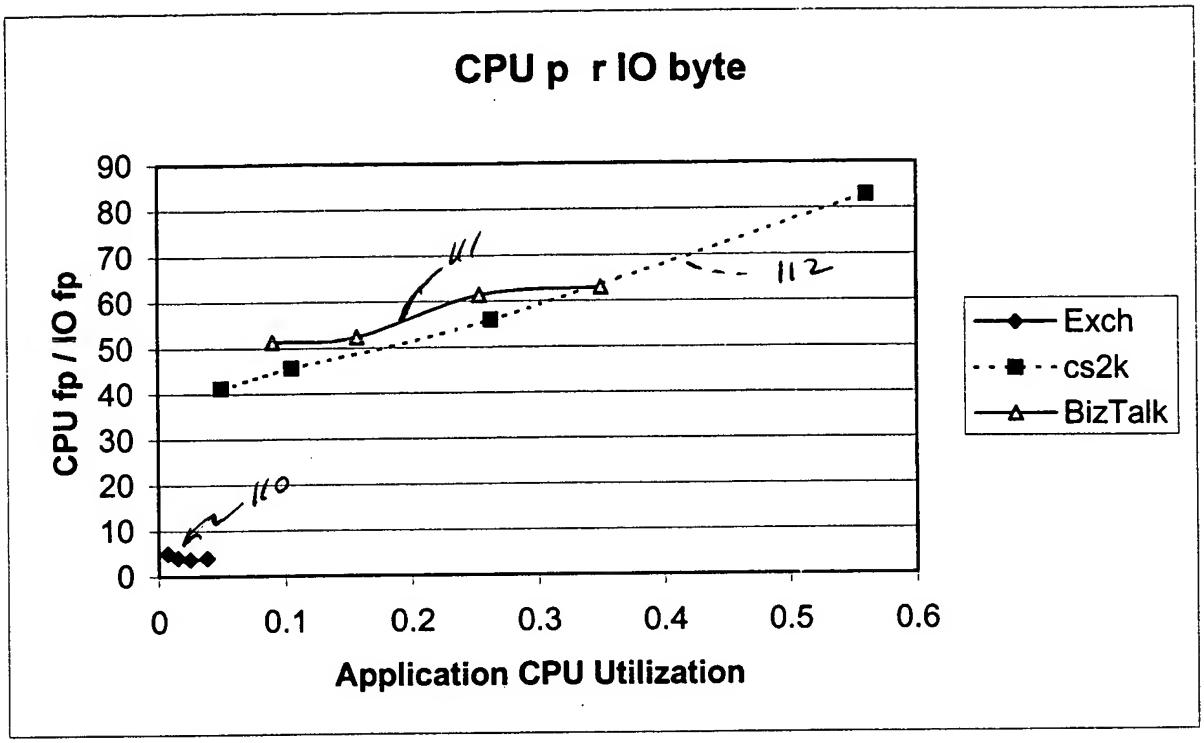

CPU p r IO byte
CPU fp / IO fp
90
80
70
60
50
40
30
20
10
0
0
0.1
0.2
0.3
0.4
0.5
0.6
Application CPU Utilization
Exch
cs2k
BizTalk
110
111
112

Fig. 9

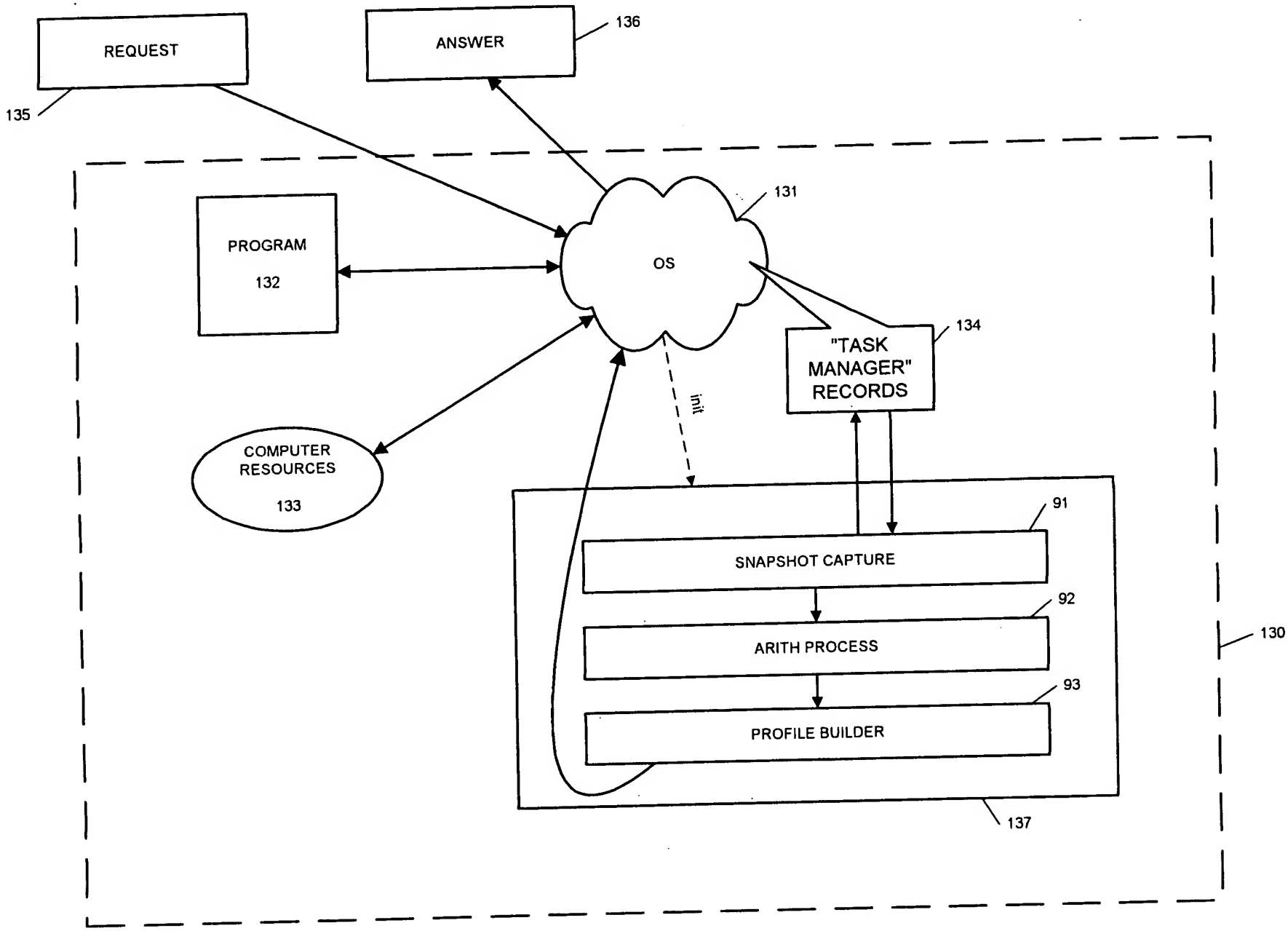

REQUEST
135
ANSWER
136
PROGRAM
132
OS
131
"TASK
MANAGER"
RECORDS
134
init
COMPUTER
RESOURCES
133
91
SNAPSHOT CAPTURE
92
ARITH PROCESS
93
PROFILE BUILDER
137
130

Fig. 10